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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/066,102	01/31/2002	Steven Teig	SPLX.P0106	6032
23349 75	021112004		EXAMINER GARBOWSKI, LEIGH M	
POBOX 51860	OHANSEN & ADELI			
PALO ALTO,	CA 94303		ART UNIT	PAPER NUMBER
			2825	
			DATE MAILED: 02/17/2004	1

Please find below and/or attached an Office communication concerning this application or proceeding.

			<i>K</i> }				
	Application No.	Applicant(s)					
	10/066,102	TEIG ET AL.					
Office Action Summary	Examiner	Art Unit					
	Leigh Marie Garbowski	2825					
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet with	the correspondence addr	ess				
A SHORTENED STATUTORY PERIOD FOR RITHE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CI after SIX (6) MONTHS from the mailing date of this communication  - If the period for reply specified above is less than thirty (30) days,  - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).  Status	ON. FR 1.136(a). In no event, however, may a repon. a reply within the statutory minimum of thirty (beriod will apply and will expire SIX (6) MONTH statute, cause the application to become ABA	ly be timely filed  (30) days will be considered timely.  15 from the mailing date of this commoder (35 U.S.C. § 133).	munication.				
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1) Responsive to communication(s) filed on							
3) Since this application is in condition for all			nerits is				
closed in accordance with the practice und	der <i>Ex parte Quayle</i> , 1935 C.D.	11, 453 O.G. 213.					
Disposition of Claims							
4) Claim(s) <u>1-15</u> is/are pending in the applica							
	4a) Of the above claim(s) is/are withdrawn from consideration.  Claim(s) is/are allowed.						
6) Claim(s) 1-15 is/are rejected.							
7) Claim(s) is/are rejected.							
8) Claim(s) are subject to restriction a	nd/or election requirement.						
Application Papers	- 1						
9)☐ The specification is objected to by the Exa	miner.						
10)⊠ The drawing(s) filed on 31 January 2002 is		ected to by the Examiner.					
Applicant may not request that any objection to	the drawing(s) be held in abeyance	e. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the co	prrection is required if the drawing(s)	is objected to. See 37 CFR	1.121(d).				
11)☐ The oath or declaration is objected to by th	e Examiner. Note the attached C	Office Action or form PTO-	-152.				
Priority under 35 U.S.C. §§ 119 and 120							
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of:  1. Certified copies of the priority document	nents have been received. nents have been received in App	olication No					
<ul> <li>3. Copies of the certified copies of the application from the International Bu</li> <li>* See the attached detailed Office action for a</li> </ul>	ıreau (PCT Rule 17.2(a)).		age				
13) Acknowledgment is made of a claim for dom since a specific reference was included in the 37 CFR 1.78.	nestic priority under 35 U.S.C. § e first sentence of the specificati	119(e) (to a provisional ap on or in an Application Da					
a) The translation of the foreign language							
14) ☐ Acknowledgment is made of a claim for dom reference was included in the first sentence							
Attachment(s)							
) Notice of References Cited (PTO-892)  Discrete Notice of Draftsperson's Patent Drawing Review (PTO-948)	3) 5) Notice of Info	nmary (PTO-413) Paper No(s) rmal Patent Application (PTO-15					
i) Information Disclosure Statement(s) (PTO-1449) Paper No	o(s) 6) [_] Other: .						

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## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 6-9 and 12-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Scepanovic et al. [U.S. Patent #5,578,840].

As per claim 1, Scepanovic et al. disclose an IC layout comprising a first set of Steiner points that are in shape of a non-quadrilateral polygon [column 7, lines 39-42]. As per claims 6-7, Scepanovic et al. further disclose wherein the polygon is a hexagon, has six equal sides [figure 2]. As per claim 8, Scepanovic et al. further disclose a) a set of nets with routable elements [column 6, lines 57-59]; b) a first set of interconnect lines for connecting routable elements of the nets, wherein the interconnect lines have ends that are partial non-quadrilateral polygons [column 7, lines 39-42]. As per claim 9, Scepanovic et al. further disclose wherein the interconnect line ends are half nonquadrilateral polygons [column 7, lines 39-42]. As per claim 12, Scepanovic et al. disclose an IC layout comprising a first set of Steiner points, wherein each Steiner point in the first set has a circular shape [column 7, lines 39-42; column 8, lines 30-36]. As per claim 13, Scepanovic et al. further disclose a second set of Steiner points, wherein each Steiner point in the second set has a non-circular shape [column 6, lines 57-59; column 8, lines 30-42]. As per claims 14-15, Scepanovic et al. further disclose a) a set of nets with routable elements [column 6, lines 57-59]; b) a first set of interconnect lines

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for connecting the routable elements of the nets, wherein the interconnect lines have ends that are partially circular, semi-circular [column 8, lines 30-42].

Claims 1-15 rejected under 35 U.S.C. 102(b) as being anticipated by Rostoker et al. [U.S. Patent #5,822,214].

As per claim 1, Rostoker et al. disclose an IC layout comprising a first set of Steiner points that are in shape of a non-quadrilateral polygon [column 18, lines 22-29; column 86, lines 48-58]. As per claims 2-3, Rostoker et al. further disclose wherein the polygon is an octagon, has eight equal sides [column 18, lines 22-29; column 86, lines 48-58]. As per claim 4, Rostoker et al. further disclose a second set of Steiner points that have a diamond shape [column 18, lines 22-29; column 86, lines 48-58]. As per claim 5, Rostoker et al. further disclose a third set of Steiner points that have a rectangular shape [column 18, lines 22-29; column 86, lines 48-58]. As per claims 6-7, Rostoker et al. further disclose wherein the polygon is a hexagon, has six equal sides [column 18, lines 22-29; column 86, lines 48-58]. As per claim 8, Rostoker et al. further disclose a) a set of nets with routable elements [column 77, lines 35-36, 66-column 78, line 6]; b) a first set of interconnect lines for connecting routable elements of the nets, wherein the interconnect lines have ends that are partial non-quadrilateral polygons [column 18, lines 22-29; column 86, lines 48-58]. As per claims 9-11, Rostoker et al. further disclose wherein the interconnect line ends are half non-quadrilateral polygons, half octagons and the Steiner points are octagons, half hexagons and the Steiner points are hexagons [column 18, lines 22-29; column 86, lines 48-58]. As per claim 12, Rostoker et al. disclose an IC layout comprising a first set of Steiner points, wherein

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each Steiner point in the first set has a circular shape [column 18, lines 22-29; column 86, lines 48-58]. As per claim 13, Rostoker et al. further disclose a second set of Steiner points, wherein each Steiner point in the second set has a non-circular shape [column 18, lines 22-29; column 86, lines 48-58]. As per claims 14-15, Rostoker et al. further disclose a) a set of nets with routable elements [column 77, lines 35-36, 66-column 78, line 6]; b) a first set of interconnect lines for connecting the routable elements of the nets, wherein the interconnect lines have ends that are partially circular, semi-circular [column 18, lines 22-29; column 86, lines 48-58].

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leigh Marie Garbowski whose telephone number is 571-272-1893. The examiner can normally be reached on days.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith can be reached on 571-272-1907. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2800.

LEIGH M. GARBOWSKI PRIMARY EXAMINER